

THE PROGRAM FOR THE EARTH TIDE DATA ANALYSIS ATLANTIDA3.1_2014

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Abstract. The present paper is devoted to describing the capabilities of the newly developed native program for Earth tide data analysis ATLANTIDA3.1_2014. Among them are: the calculation of the gravimetric ocean effect, calculations of the amplitude delta-factors for the oceanless Earth and the predicted amplitude factors and phase shifts for the Earth with the ocean. The main features of the program, the theoretical and methodological aspects underlying its development were considered in detail. Special attention is given to comparing the results of calculations with observations.

Keywords: oceanic loading effect, amplitude delta-factors, gravimetry.